Hyperparemeters dict to generate the models

lgb_auc_762:
SEED_TRIALS = 5
SPLITS = 5
TUNE_PARAMETERS = False
params = {'boost': 'gbdt', 'feature_fraction': 0.6,   'learning_rate':
0.03, 'max_depth': 8,
        'objective': 'binary', 'metric':'auc', 'verbosity': -1,}

lgb_auc_760:
SEED_TRIALS = 5
SPLITS = 5
TUNE_PARAMETERS = False
params = {'boost': 'gbdt', 'feature_fraction': 0.8,   'learning_rate':
0.04, 'max_depth': 7,
        'objective': 'binary', 'metric':'auc', 'verbosity': -1,}

cat_auc_758:
SPLITS = 5
TUNE_PARAMETERS = True
SEED_TRIALS = 5
TUNE_TRIALS = 30

lgb_auc_optuna_754:
TUNE_PARAMETERS = True
TUNE_TRIALS = 30
SEED_TRIALS = 3
SPLITS = 5